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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/046,926
				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	2825
				Examiner Name	
Sheet	1	of	7	Attorney Docket Number	SPLX.P0085

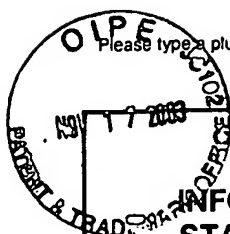
U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No.	U.S. Patent Document Number Kind Code ² (if known)	Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
VS	1.	2001/0009 031	A1	07-19-2001	Nitta et al.	
	2.	2002/0182 844	A1	12-05-2002	Igarashi et al.	
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	19.	6,070,108		05-30-2000	Andreev et al.	Not print Dup
VS	20.	6,128,767		10-03-2000	Chapman	

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		Office ³	Number ⁴	Kind Cod (if known)				
VS	46.	JP	411296560	A	Matsumoto et al.	10-29-1999	with English translation of Abstract;	
	47.	JP	2000-82743	A	Igarashi et al.	03-21-2000	with Japanese Patent Office's English translation of Abstract; and with English translation of the application.	√
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VS	50.	JP	H05-102305	A	Akihiro Sato	04-23-1993	with Japanese Patent Office's English translation of Abstract; and with English translation of the	√

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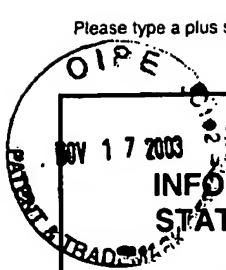
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FOREIGN PATENT DOCUMENTS							
							application.
✓	51.	JP	H07-86407	A	Shinpei Miura	03-31-1995	with Japanese Patent Office's English translation of Abstract; and with English translation of the application. ✓
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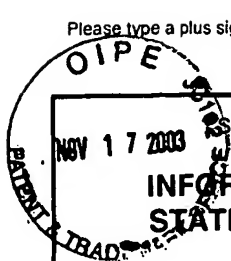
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Sheet	5	of	7	Attorney Docket Number	SPLX.P0085

FOREIGN PATENT DOCUMENTS				
NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²	
US	53.	Ahuja, R. et al., Faster Algorithms for the Shortest Path Problem, Journal of the Association for Computing Machinery, vol. 37, No. 2, April 1990, pp. 213-223.		
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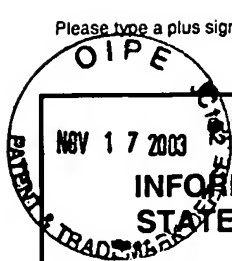
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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/046,926
				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	SPLX.P0085

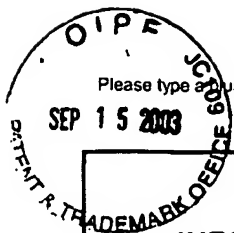
U.S. PATENT DOCUMENTS						
Examiner* Initials	Cite No. ¹	U.S. Patent Document		Date of Publication MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number				
VS	1.	2003/0101428 S/N 10/040,915		01-05-2002	Steven Teig et al.	Previously Specified
	2.	2003/0043827 S/N 10/040,953		01-05-2002	Steven Teig et al.	Previously Specified
	3.	2003/0023943 S/N 10/040,954		01-05-2002	Steven Teig et al.	Previously Specified
	4.	2003/0066042 S/N 10/040,963		01-05-2002	Steven Teig et al.	Previously Specified
	5.	2002/0174412 S/N 10/041,942		01-07-2002	Steven Teig et al.	Previously Specified
	6.	2003/0088844 S/N 10/041,957		01-07-2002	Steven Teig et al.	Previously Specified
	7.	2002/0199165 S/N 10/046,864		01-13-2002	Steven Teig et al.	Previously Specified
	8.	2003/0056187 S/N 10/047,982		01-14-2002	Steven Teig et al.	Previously Specified
	9.	2002/0073390 S/N 09/737,210		12-13-2000	Steven Teig et al.	Previously Specified
	10.	2002/0124231 S/N 09/739,580		12-15-2000	Steven Teig et al.	Previously Specified
	11.	2003/0121015 S/N 09/745,067		12-19-2000	Steven Teig et al.	Previously Specified
	12.	2002/0166105 S/N 10/040,948		01-05-2002	Steven Teig et al.	Previously Specified
	13.	2003/0088841 S/N 10/329,241		12-23-2002	Steven Teig et al.	Previously specified
VS	14.	2003/0088845 S/N 10/047,978		01-13-2002	Steven Teig et al.	Parent application of the parent application (2003/0079193) of the present application.

Examiner Signature	<i>Har VUTHE STEK</i>	Date Considered	1/12/04
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				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	SPLX.P0085

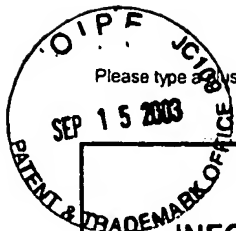
RELATED U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. ¹	U.S. Patent Document	Date of filing MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Related Application Data
		Number			
VS	1.	2003/0079193	12-07-2001	Steven Teig et al.	Parent application of the parent application (2003/0088844) of the present application.
	2.	2003/0018947	12-07-2001	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	3.	2002/0147958	10-19-2001	Steven Teig et al.	Parent application per the preliminary amendment dated 2/19/03.
	4.	2003/0063614	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	5.	2003/0064559	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	6.	2003/0063568	01-04-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	7.	2003/0101428	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	8.	2002/0166105	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	9.	2003/0043827	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	10.	2003/0023943	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	11.	2003/0066042	01-05-2002	Steven Teig et al.	Continuation of 2003/0079193.
	12.	2002/0174412	01-07-2002	Steven Teig et al.	Continuation of 2003/0079193.
VS	13.	2003/0088844	01-07-2002	Steven Teig et al.	Per the preliminary amendment dated 5/7/03, the present application is a continuation of 2003/0088844, which is a continuation of 2003/0079193.

Examiner Signature	VUTHE SUEK	Date Considered	1/14/04
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				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	SPLX.P0085

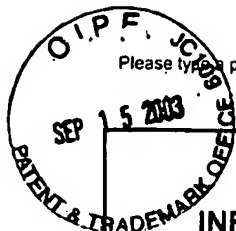
RELATED U.S. PATENT DOCUMENTS					
✓	14.	2002/0199165	01-13-2002	Steven Teig et al.	Continuation of 2003/0079193.
	15.	2003/0115566	01-13-2002	Steven Teig	Continuation of 2003/0088844 per preliminary amendment.
	16.	2003/0056187	01-14-2002	Steven Teig et al.	Continuation of 2003/0079193.
	17.	2003/0066044	01-13-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	18.	2003/0066045	01-13-2002	Steven Teig et al.	Application with some of the same parent provisional applications and with the same specification as the present application except for summary and abstract.
	19.	2002/0133798	12-06-2000	Steven Teig et al.	Application regarding related placement technology
	20.	2002/0100007	12-06-2000	Steven Teig et al.	Application regarding related placement technology
	21.	2002/0073390	12-13-2000	Steven Teig et al.	Application regarding related placement technology
	22.	S/N 09/737,220	12-13-2000	Steven Teig et al.	Application regarding related placement technology
	23.	S/N 09/737,245	12-13-2000	Steven Teig et al.	Application regarding related placement technology
	24.	S/N 09/739,460	12-15-2000	Steven Teig et al.	Application regarding related placement technology
	25.	2002/0124231	12-15-2000	Steven Teig et al.	Application regarding related placement technology
	26.	S/N 09/739,589	12-15-2000	Steven Teig et al.	Application regarding related placement technology
	27.	S/N 09/742,171	12-19-2000	Steven Teig et al.	Application regarding related placement technology
	28.	2003/0121015	12-19-2000	Steven Teig et al.	Application regarding related placement technology
	29.	2002/0069397	01-13-2002	Steven Teig et al.	Application regarding related placement technology
✓	30.	2002/0170027	02-20-2002	Steven Teig et al.	Application regarding related placement

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Sheet	3	of	3	Attorney Docket Number	SPLX.P0085

RELATED U.S. PATENT DOCUMENTS						
						technology
V5	31.	2002/0157075	02-20-2002	Steven Teig et al.	Application regarding related placement technology	
V5	32.	2003/0088841	12-23-2002	Steven Teig et al.	Application regarding related placement technology	

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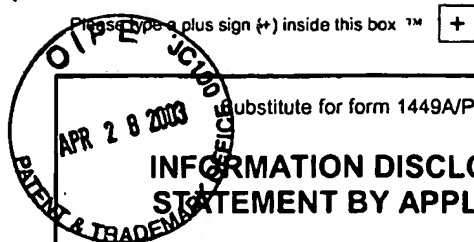
Substitute for form 1449A/PTO				Application Number	10/046,926
INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i>				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	1	of	1	Attorney Docket Number	SPLX.P0085

U.S. PATENT DOCUMENTS					
Examiner* Initials	Cite No. ¹	U.S. Patent Document Number Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
VC	1.	2001/ 0003843	A1	Scepanovic et al.	06-14-01
	2.	4,615,011		Linsker	09-30-86
	3.	4,673,966		Shimoyama	06-16-87
	4.	4,782,193		Linsker	11-01-88
	5.	4,855,929		Nakajima	08-08-89
	6.	5,097,422		Corbin II et al.	03-17-92
	7.	5,251,147		Finnerty	10-05-93
	8.	5,281,151		Arima et al.	01-25-94
	9.	5,360,948		Thornberg	11-01-94
	10.	5,375,069		Satoh et al.	12-20-94
	11.	5,532,934		Rostoker	07-02-96
	12.	5,578,840		Scepanovic	11-26-96
	13.	5,633,479		Hirano	05-27-97
	14.	5,634,093		Ashida et al.	05-27-97
	15.	5,636,125		Rostoker et al.	06-03-97
	16.	5,650,653		Rostoker et al.	07-22-97
	17.	5,657,242		Sekiyama et al.	08-12-97
	18.	5,723,908		Fuchida et al.	03-03-98
	19.	5,742,086		Rostoker et al.	04-21-98
	20.	5,757,656		Hershberger et al.	05-26-98
	21.	5,777,360		Rostoker et al.	07-07-98
	22.	5,811,863		Rostoker et al.	09-22-98
	23.	5,822,214		Rostoker et al.	10-13-98
	24.	5,859,449		Kobayashi et al.	01-12-99
VS	25.	5,898,597		Scepanovic et al.	04-27-99

Examiner Signature	VUTHE SIEK	Date Considered	1/12/04
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	2	of	2	Attorney Docket Number	SPLX.P0085

U.S. PATENT DOCUMENTS						
VS	26.	5,914,887		Scepanovic et al.	06-22-99	
	27.	5,973,376		Rostoker et al.	10-26-99	
	28.	6,035,108		Kikuchi	03-07-00	
	29.	6,058,254		Scepanovic et al.	05-02-00	
	30.	6,067,409		Scepanovic et al.	05-23-00	
	31.	6,068,662		Scepanovic et al.	05-30-00	
	32.	6,123,736		Pavisic et al.	09-26-00	
	33.	6,134,702		Scepanovic et al.	10-17-00	
	34.	6,155,725		Scepanovic et al.	12-05-00	
	35.	6,175,950	B1	Scepanovic	01-16-01	
	36.	6,216,252	B1	Dangelo et al.	04-10-01	
	37.	6,230,306	B1	Raspopovic et al.	05-08-01	
	38.	6,247,167	B1	Raspopovic et al.	06-12-01	
	39.	6,260,179	B1	Ohsawa et al.	07-10-01	
	40.	6,262,487	B1	Igarashi et al.	07-17-01	
	41.	6,289,495	B1	Raspopovic	09-11-01	
	42.	6,301,686	B1	Kikuchi et al.	10-09-01	
	43.	6,327,694	B1	Kanazawa	12-04-01	
	44.	6,378,121	B2	Hiraga	04-23-02	
	45.	6,385,758	B1	Kikuchi et al.	05-07-02	
	46.	6,401,234	B1	Alpert et al.	06-04-02	
	47.	6,405,358	B1	Nuber	06-11-02	
	48.	6,412,097	B1	Kikuchi et al.	06-25-02	
	49.	6,412,102	B1	Andreev et al.	06-25-02	
	50.	6,436,804	B2	Igarashi et al.	08-20-02	
	51.	6,446,245	B1	Xing et al.	09-03-02	
VS	52.	6,516,455	B1	Teig et al.	02-04-03	

Examiner Signature	VUTHE SIEK	Date Considered	1/12/04
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	3	of	3	Application Number	10/046,926
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				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
				Attorney Docket Number	SPLX.P0085

U.S. PATENT DOCUMENTS

15	53.	6,516,455	B1	Teig et al.	02-04-03	
15	54.	2003/0025 205	A1	Shively	02-06-03	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code (if known) ⁵				
15	55.	JP	64-15947		Ouchi	01-19-89		
15	56.	JP	04000677		Fujiwara et al.	01-1992		

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Substitute for form 1449A/PTO				Application Number	10/046,926
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Filing Date	1/13/02
				First Named Inventor	Steven Teig
				Group Art Unit	
				Examiner Name	
Sheet	4	of	4	Attorney Docket Number	SPLX.P0085

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner* Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
VC	57.	A.H. Farrahi, et al., Quality of EDA CAD Tools: Definitions, Metrics and Directions, Quality Electronic Design, 2000, Proceedings of the first International Symposium on March 2000, pp 395-405.	
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Examiner Signature	VUTHE SIEK	Date Considered	1/12/04
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